

BASF Corporation

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Attention: 8(e) Coordinator
U. S. Environmental Protection Agency
Document Control Officer
Office of Pollution Prevention and Toxic Substances, 7407
1200 Pennsylvania Avenue, NW
Washington, DC 20460

Ladies and Gentlemen:

Subject: Notice in accordance with Section 8 (e) Results of acute toxicity studies in Algae with 1H-Imidazolium, 1-ethenyl-3-methyl-, chloride, polymer with 1-ethenyl-2-pyrrolidinone (CASRN 95144-24-4)

BASF Corporation is submitting results of an acute toxicity test with Imidazolium, 1-ethenyl-3-methyl-, chloride, polymer with 1-ethenyl-2-pyrrolidinone (CASRN 95144-24-4) in Algae (*Desmodesmus subspicatus*) conducted by BASF Aktiengesellschaft, Ludwigshafen, Germany. The test was conducted in a static system over 72 hours according to the following test guidelines:

- EEC Directive 92/69/EEC, Annex V, Part C.3. Algal inhibition test, updating 29 December 1992
- OECD Guideline for Testing of Chemicals, No. 201 (June 1984): Algal growth inhibition test
- EPA Ecological Effects Test Guidelines. OPPTS 850.5400 (Public Draft, April 1996): Algal Toxicity, Tiers I and II

The following nominal concentrations were tested: 0.00071, 0.00235, 0.00774, 0.0256, 0.0843, 0.278, 0.918, 3.03 and 10 mg/L.

RESULTS:

The following effect concentrations (mg/L) were obtained:

$E_{\text{biomass}} C_{50} (72 \text{ h}) = 0.113 \text{ mg/l}$

$E_{\text{growth rate}} C_{50} (72 \text{ h}) = 0.303 \text{ mg/l}$

Contain NO CBI

Although the findings are not considered to present a substantial risk to human health or the environment, BASF Corporation understands that reporting of results from this study under TSCA 8(e) is in accordance with EPA's policy.

Very truly yours,

BASF CORPORATION

Edward J. Kerfoot

Edward J. Kerfoot, Ph.D.

Director, Toxicology and Product Regulations



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